

## NFPA DESIGNATION 704

HAZARD RATING	- HEALTH	1
4=Extreme		
3=High	- FIRE	1
2=Moderate		
1=slight	- REACTIVITY	0
0=insignificant		
	- SPECIFIC HAZARD	NONE



## MATERIAL SAFETY DATA SHEET

## SECTION 1 NAME AND PRODUCT

MANUFACTURER'S NAME: SUNNEN PRODUCTS COMPANY  
ADDRESS: 7910 Manchester Ave.  
St. Louis, Mo. 63143  
United States of America

CONTACT: Terry Heller  
EMERGENCY PHONE NO: 314-781-2105  
APPROVED BY: Terry Heller  
TITLE: Manager, Materials R/D  
DATE: August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: PM-2653 LUBRICATING OIL

CHEMICAL FAMILY: PETROLEUM HYDROCARBONS AND ADDITIVES. CLASSIFICATION: PETROLEUM OIL N.O.S.  
D.O.T. SHIPPING CLASS: COMBUSTIBLE LIQUID. IDENTIFICATION NUMBER: NA1270

## SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON NAME	CHEMICAL NAME OF COMPONENTS	CAS NO	OSHA PEL mg/cu m	ACGIH TLV-TWA mg/cu m	CARCINOGENIC
OIL	PETROLEUM DISTILLATE, SEVERELY HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	5 (mist)	5 (mist)	N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

## SECTION 3 PHYSICAL &amp; CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)-----0.89  
PERCENT VOLATILE BY WEIGHT-----<1%  
BOILING POINT-----550 F (285 C)  
VAPOR PRESSURE (mm Hg)-----<0.1mm Hg @ 68 F (20 C)  
VAPOR DENSITY (Air=1)----->5  
EVAPORATION RATE-----NEGLECTIBLE  
SOLUBILITY IN WATER-----NEGLECTIBLE. MATERIAL IS COMPLETELY SOLUBLE IN COMMON HYDROCARBON OR CHLORINATED HYDROCARBON SOLVENTS SUCH AS MINERAL SPIRITS OR TRICHLOROETHANE.  
REACTIVITY IN WATER-----NOT REACTIVE  
APPEARANCE AND ODOR-----TRANSPARENT AMBER LIQUID WITH MINERAL OIL ODOR.

## SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to section 7.

## SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.  
POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDATION AGENTS SUCH AS FUMING NITRIC ACID OR LIQUID CHLORINE.  
CONDITIONS TO BE AVOIDED: OXIDIZING CONDITIONS.  
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF SULFUR, CARBON MONOXIDE AND CARBON DIOXIDE AS PRODUCTS OF COMBUSTION.

## SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ABBREVIATIONS USED IN THE FOLLOWING SECTION. SKIN=SKIN CONTACT. EYE=EYE CONTACT. INHAL=INHALATION. INGEST=INGESTION.

**MINERAL OIL: ACUTE:** SKIN: May cause irritation. Predisposing factors: Individuals with sensitive skin or large amounts of body hair. Material is not sterile and may infect open cuts or sores. EYE: May cause irritation. INHAL: Coughing, sore throat, headache, chest pain and difficult breathing. Predisposing factors: Individuals with pre-existing respiratory impairments (such as emphysema) can display increased sensitivity to oil mist or vapors. INGEST: Loose bowel movements. Minute amounts of mineral oil aspirated into the lungs during ingestion may cause mild to severe lung injury. **CHRONIC:** SKIN: Prolonged or repeated skin contact can cause skin irritation or oil acne: redness and blackheads due to mechanical blockage of the pores. Material is potentially a skin sensitizer. Individuals can experience skin irritation after prolonged exposure. EYE: None known. INHAL: None known. INGEST: None known.

## EMERGENCY FIRST AID

**INHALATION:** Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. **EYE CONTACT:** Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Wash contact areas with mild non-abrasive soap and water. If injected under the skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body. **INGESTION:** Get medical assistance. Do not induce vomiting.

## SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Store away from heat or flame. If stored outdoors, store so as to shed water.

NORMAL USE: May cause skin irritation and/or defat the skin on prolonged or repeated contact. Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with fluid. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. Do not reuse containers for other materials or purposes. Do not cut, braze, weld, solder, or pressurize container as doing so may cause container to EXPLODE, potentially causing serious injury or DEATH. FOR INDUSTRIAL USE ONLY. Not suitable for use in or around household or dwelling. All precautions detailed on the container label apply to partially full or empty containers. Do not attempt to clean as residue is difficult to remove. Empty containers should be disposed of in an environmentally safe manner and in accordance with applicable governmental regulations.

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Absorb on fire retardant absorbent. Gather and dispose of in accordance with applicable regulations. Notify Coast Guard if spill could reach any waterway (1-800-424-8802).

WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

## SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If use conditions give rise to excessive mist (greater than 5 mg/cu M) use an approved respirator rated for mineral oil mist or forced ventilation to reduce mist exposure to well below TLV levels.

VENTILATION-LOCAL: Normal. MECHANICAL: Required if use conditions give rise to levels greater than 5 mg/cu M. OTHER: No applicable information found.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed. Do not wear oil soaked clothing.

EYE PROTECTION: Always wear NIOSH approved eye protection when working around or operating machinery.

OTHER EQUIPMENT: Oil-impervious apron if desired.

MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Same as for petroleum lubricating oil. Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

## SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT-----275 F (135 C) C.O.C.

FLAMMABLE LIMITS--- LEL: .9% UEL: 7%

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: For fires in enclosed areas, firefighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may explode if exposed to extreme heat.

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